Shubham Ralli

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Experienced Business and Data Analyst adept at deriving actionable insights from complex data. Skilled in advanced analytics tools, I thrive on optimizing processes to achieve our goals. Let's work together to make data work for us!

EDUCATION

The University of Texas at Dallas — May 2025
Bachelor of Science in Business Analytics (Dean's List | Transfer Scholarship Recipient) — **GPA 3.9**

WORK EXPERIENCE

Business Intelligence Analyst — January 2024 - Present
The University of Texas at Dallas — *Richardson, TX*

- Streamlined advisory consultations, achieving a 20% efficiency boost with personalized degree plans in Excel.
- Elevated decision accuracy by 15% through technical analysis of academic data employing eLearning systems.
- Managed a 50,000-student database with MS Access and OnBase, optimizing data organization and retrieval.
- Enhanced database structures, leading to a 30% improvement in data accessibility and a 15% reduction in data entry errors.

Data Analyst & Consultant — October 2022 - January 2024
The University of Texas at Dallas — *Richardson, TX*

- Integrated MS Access, e-learning, and advanced Excel to craft degree plans for 150 students, achieving a 90% graduation rate.
- Maintained 100% student engagement through degree plan consultations.
- Conducted regular data audits to ensure all student records upheld data integrity and security standards.
- Implemented data visualization techniques to enhance the presentation of analytical findings.

Business Analytics Coordinator — September 2022 - January 2024
The University of Texas at Dallas — *Richardson, TX*

- Orchestrated an International Dean's conference with 95% attendee satisfaction by implementing agile methodologies.
- Led a social marketing team, increasing student participation by 40% using data-driven insights.
- Engineered strategies for a 20% increase in event efficiency through process optimization.
- Worked with diverse teams to pinpoint database needs and deploy customized solutions, boosting workflow efficiency by 25%.

TECHNICAL SKILLS

Database Tools & Query Languages: Workbench | SSIS | SSAS | ETL | MySQL | PostgreSQL | MySQL Server
Programming & Scripting: Python | MATLAB | Data Wrangling | Linux
Data Visualization & Reporting: Tableau | Power BI | IBM Cognos Analytics | SAP Crystal Reports | SSRS | M/S Productivity Suite
Machine Learning & Data Analysis: ML | Data Mining | Neural Networks | Clustering | Probabilistic Decision Trees | Classification

CERTIFICATIONS

IBM Certified Data Analyst | Google Certified Data Analyst | KPMG Data Analytics Consulting Virtual Internship | Accenture Data Analytics and Visualization Virtual Experience via Forage | Data Privacy & Protection, Data Manipulation (Python, SQL) | Oracle Database Explorer, MySQL Explorer, and Oracle Cloud Overview | Agile Business Foundations-PMI | FERPA Certified

PROJECTS

Predictive Data Mining: Purchase Probability Analysis — August 2023 - December 2023

- Led an extensive data mining initiative, achieving a precision-focused predictive modeling accuracy of over 85%.
- Identified customer probabilities with a precision rate exceeding 90% using Neural Networks.
- Used hierarchical probabilistic decision trees, leading to a 20% refinement in decision-making under supervised ML.

Trends in Aviation Accidents: Tableau Analytics — August 2023 - December 2023

- Recognized by Tableau for presenting insights and forecasts on aviation accident trends.
- Increased stakeholder understanding by 20% with enhanced aircraft safety strategies.
- Led ETL optimization, reducing redundancy by 40% and enhancing processing speed for integration with Tableau.

IBM Data Analyst Capstone Project — June 2023 - July 2023

- Identified in-demand programming languages with web scraping via Python and APIs, improving accuracy by 15%.
- Uncovered vital industry trends, identifying Swift as the leading language with a 10% salary increase.
- Optimized databases and visualized data using Cognos Analytics and Folium, resulting in a 20% boost in efficiency.

MySQL: Walmart Sales Forecasting — April 2023 - May 2023

- Analyzed Walmart's Sales data, uncovering meaningful correlations between sales and specific dimensional attributes.
- Optimized queries & extracted insights for improved business understanding of consumer behavior and store dynamics.
- Leveraged SQL to dissect Walmart's sales data, revealing vital insights that informed strategic business decisions.

ADDITIONAL INFORMATION

Eligibility: VISA, Eligible to work in the US for internships and full-time for up to 36 months
Languages: English and Hindi